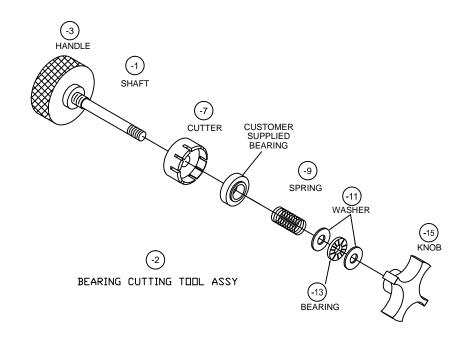


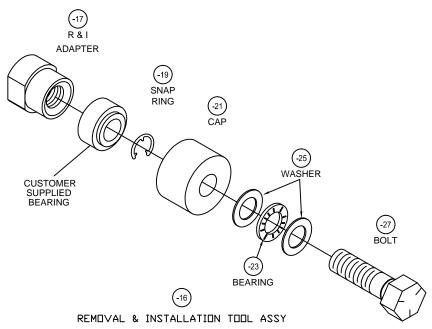






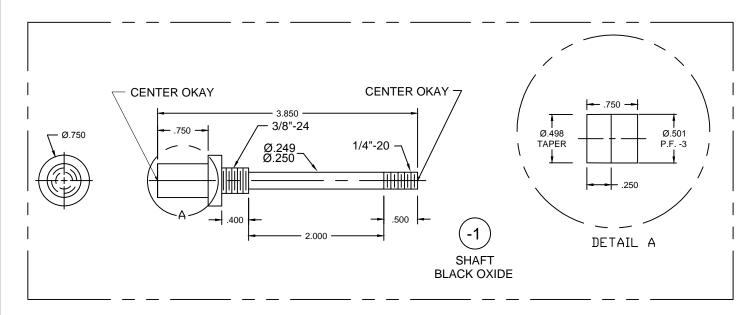
	REVISIONS									
-	REV	DESCRIPTION	DATE	INITIAL	APPROVED					
	1	RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04							
F	1A	CH'D TITLEBLOCK & REVISION BLOCK, CH'D REVISIONS TO NUMERICAL, CORRECTED SECTION	9/28/09	RJC	RW					

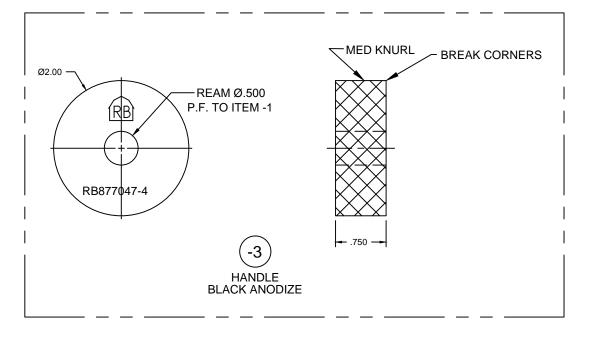




ASS\ QTY	ASSY QTY	B/O	PART#	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.	
	1		-1		SHAFT	STRESS PROOF	Ø3/4 x 4	2	
	\boxtimes		-2	1	BEARING CUTTING TOOL ASSY			1	
	1		-3		HANDLE	6061 T6	Ø2 x 3/4	2	
	1		-7		CUTTER	-	GA219A10 SNAP - ON	3	
	1	B/O	-9		SPRING	-	5/16 x 2 (EUGENE FASTNER #16)	1	
	2	B/O	-11		WASHER	-	TRA-411 (APPLIED INDUSTRIAL)	1	RB RED BARN MACHINE
	1	B/O	-13		BEARING	-	NTA411 (APPLIED INDUSTRIAL)	1 -	TITLE
	1	B/O	-15		KNOB		DK-54 REID TOOL)	1	SCISSORS BEARING CUTTING TOO
\geq			-16	1	REMOVAL & INSTALLATION TOOL ASSY			1	DHO NO
1			-17		R&I ADAPTER	STRESS PROOF	Ø1 x 1-1/16	4	$^{\text{RB}}$ RB877047-4 $ _{1A}^{\text{REV}}$
1		B/O	-19		SNAP RING	-	Ø1/4 EXTERNAL	1	UNLESS OTHERWISE SPECIFIED DRAWN BY: CDLE
1			-21		CAP	6061 T6	Ø1 x 3/4	4	TOLERANCES ON: APPROVED
1		B/O	-23		BEARING	-	NTA411 (APPLIED INDUSTRIAL)	1	.XXX ± .005 FRACTIONS ± 1/32 TREAT
2		B/O	-25		WASHER	-	TRA-411 (APPLIED INDUSTRIAL)	1	.A I . I
1			-27		BOLT	GRADE 5	1/4-28 UNF x 2-1/4 MODIFY	4	1. BREAK ALL SHARP EDGES RFI 1 47
								\sqcup	.015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING BEARING #MS14103-4
ASS\ -16	ASSY -2								SCALE NTS DATE 12-23-03 SHEET 1 of 4

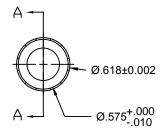
L	REVISIONS								
	REV	DESCRIPTION	DATE	INITIAL	APPROVED				
	1A	CH'D TITLEBLOCK & REVISION BLOCK, CH'D REVISIONS TO NUMERICAL, CORRECTED SECTION VIEWS & LABELED ADDED DETAIL A P/N-1 TO CLARIFY TAPER.	9/28/09	RJC	-				

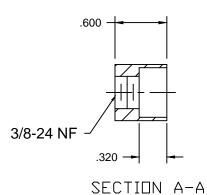




® RED BARN MACHINE TITLE BEARING CUTTING TOOL DWG NO. **RB87** UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS DRAWN BY: COLE APPROVED .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 SEE PART ANGLES ±.5° USED ON MODEL UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R BELL 47 BEARING #MS14103-4 2. DIMENSIONAL LIMITS APPLY AFTER PLATING SCALE DATE 12-23-03 SHEET 2 of 4 NTS

L	REVISIONS								
[REV	DESCRIPTION	DATE	INITIAL	APPROVED				
	1	RADIAL ANGLE INCREASED FROM 2° TO 5° TO IMPROVE OPERATION.	2/19/04						

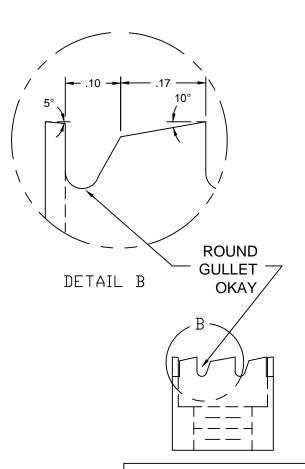




TURN TO .660 HEAT TREAT: 50-60 Rc GRIND AFTER HEAT TREAT NO COATING

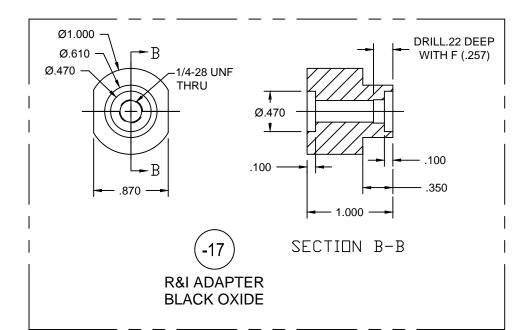


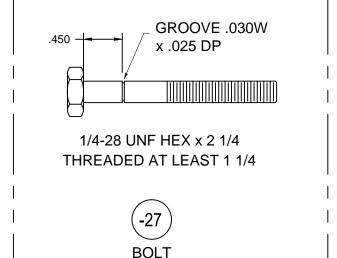
CUTTER 6 TEETH



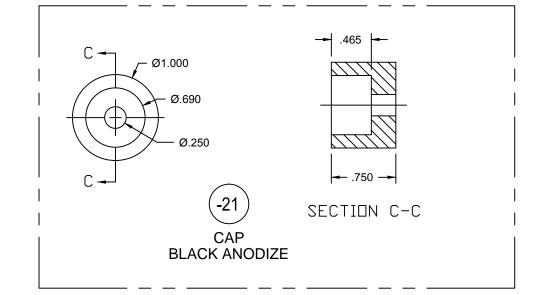
1	RB RED	BARN	1 1	MACH:	INE	<u>-</u>	
Z(CISSORS	BEARIN	1G	CUTTIN	٧G	TO]L
DWG NO.	·RB	87704	<u>.</u> 7	-4-7		1 1	Ā
	ILESS OTHERWISE DIMENSIONS ARE I		DRAWN BY: COLE				
TOLERAN	NCES ON:	IV II VOI ILO	APPROVED				
DECIMA .XXX ±	005	IONS ± 1/32	HEAT TREAT		ART		
.xx ‡	.01 AN	GLES ±.5°	FINIS SPEC	Н			
	.I .ESS OTHERWISE S	SPECIFIED		USED ON N	NODEL		
	BREAK ALL SHARF	EDGES	BELL 47				
2. DIME	015. PR .015 x 45° PR .015 NSIONAL LIMITS APPLY		BE	ARING #M	S141	03-4	
SCALE	2TN	DATE 12-2	3-	0.3 SHEET	3	of ·	4

REVISIONS
REV DESCRIPTION DATE INITIAL APPROVED





BLACK OXIDE



RED BARN MACHINE TITLE BEARING CUTTING TOOL DWG NO. RB877 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DRAWN BY: COLE APPROVED TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 SEE PART ANGLES ±.5° USED ON MODEL UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES BELL 47 .015 x 45° PR .015 R BEARING #MS14103-4 2. DIMENSIONAL LIMITS APPLY AFTER PLATING SCALE DATE 12-23-03 SHEET 4 of 4 STN

			REVISIONS	
		REV	DESCRIPTION	DATE INITIAL APPROVED
		1 RADIAL ANGLE INCREASED FROM 2' TO 5' TO 2 CH'D TITLEBLOCK & REVISION BLOCK, CH'D F		2/19/04 PROFILE ADDED 9/23/09 P.IC
		.187 DIM & 8' ANGLE TO TEETH	REVISIONS TO NOMERIOAL, OTTO COTTEN TEETI	THORICE ADDED 37 237 03 NOC
ASSYJASSY B/O PART # QTY DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	g.	
-1 1 SHAFT	STRESS PROOF Ø3/4		2	
-3 1 HANDLE	6061 T6 Ø2 x		2	
-7 1 CUTTER			🛂 🔞 RED BAR	N MACHINE
B/O -9 1 SPRING			2 TITLE	
B/O -11 2 WASHER			≟ SCISSORS BEARI	NG CUTTING TOOL
B/O -13 1 BEARING B/O -15 1 KNOB		411 APPLIED INDUSTRIAL 2	2 DWG NO.	
B/O -15 1 KNOB -17 2 R & I ADAPTER		54 REID TOOL 2 1-1/16 2	LINI ESS OTHERWISE SPECIFIED	DRAWN BY: COLF
-17 2 R & TADAPTER -19 1 SNAP RING	- Ø1/4		DIMENSIONS ARE IN INCHES	APPROVED
-21 1 CAP	6061 T6 Ø1 x		DECIMALS 2 .XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT FINISH SPEC
-23 1 BEARING			.XX ± .01 ANGLES ±.5°	
-25 2 WASHER			UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 0.15 x .45 ° PR. 0.15 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 47
-27 1 BOLT	GRADE 5 1/4-28	28 UNF x 2-1/4 MODIFY AS REQUIRED 2	.015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BEARING #MS14103-4
ASSY #			scale NTS DATE 12-	23-03 SHEET 1 of 1